

**AMENDMENTS TO THE CLAIMS:**

Claim 22 is canceled without prejudice or disclaimer. Claims 13-19 are amended. The following is the status of the claims of the above-captioned application, as amended.

Claim 1. (Currently amended.) A method for acoustic emission analysis of a non-compacted granular composition comprising a biologically active compound, said method comprising colliding the non-compacted granular composition with at least one surface-transmitting-low frequency-vibrations, recording low frequency vibration data in the range of 10 Hz to less than 50 kHz, arising from the collision, with at least one vibration detecting sensor and subjecting the recorded low frequency vibration data to computerized data processing.

Claim 2. (Original.) The method according to claim 1, wherein the low frequency vibrations has a frequency between 32 Hz to 25.6 kHz.

Claim 3. (Original.) The method according to claim 1, wherein at least one of the low frequency vibrations is a frequency below 15 kHz.

Claim 4. (Original.) The method according to claim 1, wherein the vibration detecting sensor is a piezo-electric sensor.

Claim 5. (Original.) The method according to claim 1, wherein the vibration detecting sensor is an accelerometer.

Claim 6. (Original.) The method according to claim 1, wherein the data processing is selected from the group of Fast Fourier Transformation, Power Spectral Density, Principal Component Analysis, Partial Least Squares Regression, Principal Component Regression, Multiple Linear Regression, Neural Network or a combination thereof.

Claim 7. (Previously presented) The method according to claim 1, wherein the biologically active compound is in a purified form.

Claim 8. (Previously presented) The method according to claim 1, wherein the biologically active compound is selected from bio-catalysts, therapeutic agents, herbicides, pesticides and fungicides.

Claim 9. (Original.) The method according to claim 8, wherein the biologically active compound is selected from proteins and peptides.

Claim 10. (Previously presented.) The method according to claim 9, wherein the biologically active compound is an enzyme.

Claim 11. (Original.) The method according to claim 1, wherein the granular composition further comprises auxiliary granulation agents.

Claim 12. (Original.) The method according to claim 11, wherein the auxiliary granulation agents are selected from fibre materials, binders, fillers, liquid agents, enzyme stabilizers, suspension agents, cross linking agents, mediators and/or solvents

Claim 13. (Currently Amended.) The method according to claim 1, wherein the granules of the granular composition comprises a core wherein the biologically active compound is intimately mixed with auxiliary granulation agents.

Claim 14. (Currently Amended.) The method according to claim 1, wherein the granules of the granular composition comprise a core particle coated with a layer comprising the biologically active compound [and preferably auxiliary granulation agents].

Claim 15. (Currently Amended.) The method according to claim 1, wherein the granules of the granular composition have an average size between 20-2000  $\mu\text{m}$ .

Claim 16. (Currently Amended.) The method according to claim 1, wherein the granules of the granular composition are coated with a coating agent.

Claim 17. (Currently Amended.) ~~A process for preparing granules comprising a biologically active compound and optionally auxiliary granulation agents in a granulation apparatus said~~

~~process comprising the step of performing acoustic emission analysis on the granules in accordance with claim 1. The method of claim 1, wherein the acoustic emission analysis of the non-compacted granular composition is performed as a step of a granulation process used for forming the non-compacted granular composition on the granules forming in the granulator.~~

Claim 18. (Currently Amended.) The process of claim 17, and wherein the acoustic emission analysis of the non-compacted granular composition is performed on-line and in real time during the granulation process and is repeated more than one time during the granulation process~~wherein the acoustic emission analysis is performed on-line and in real time during the granulation process and is repeated more than one time during the granulation process.~~

Claim 19. (Currently Amended.) The method of claim 17, further comprising the step of changing at least one process parameter of the granulation process as a result of the acoustic emission analysis.

Claim 20-26 (Canceled)